iPLON®
The Infranet Company

iPLON – VPN Client server Configuration

iPLON India 28.12.2022

VERSION HISTORY

Created By	Version	Revision Date	Reason
Naveen kumar	*V1.0*	*Nov 29,2022*	Creation of Document
Naveen kumar	*V2.0*	*Dec 28 2022*	*modification of commands*
THAMILARASAN	*V3.0*	*Dec 30 2022*	*Added script file.*
Naveen Kumar	V4.0	Apr 25 2023	AD and version controll changed

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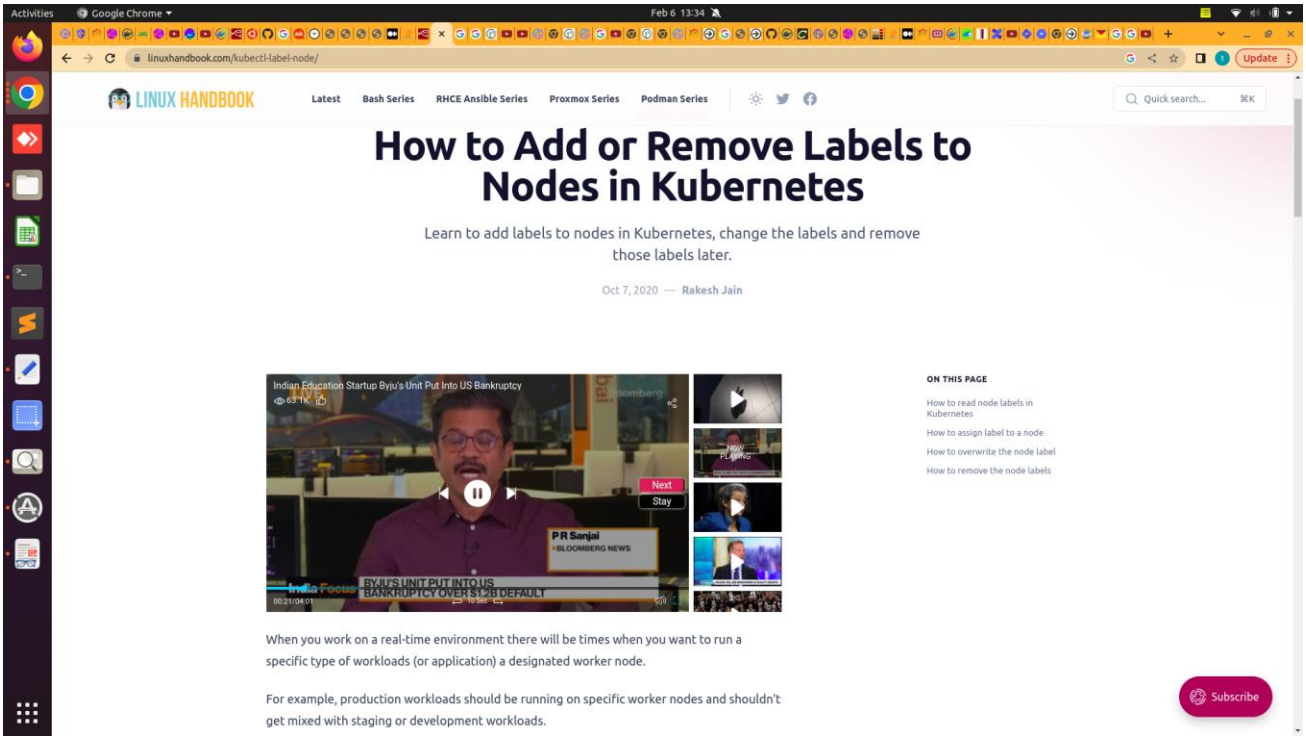
6. Ansible-user-setup.sh file**Error! Bookmark not defined.**
7. VPN - Tunnel IP Configuration**Error! Bookmark not defined.**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How to Add or Remove Labels to Nodes in Kubernetes
Learn to add labels to nodes in Kubernetes, change the labels and remove those labels later.
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How to read node labels in Kubernetes
How to assign label to a node
How to overwrite the node label
How to remove the node labels
When you work on a real-time environment there will be times when you want to run a specific type of workloads (or application) a designated worker node.
For example, production workloads should be running on specific worker nodes and shouldn't get mixed with staging or development workloads.
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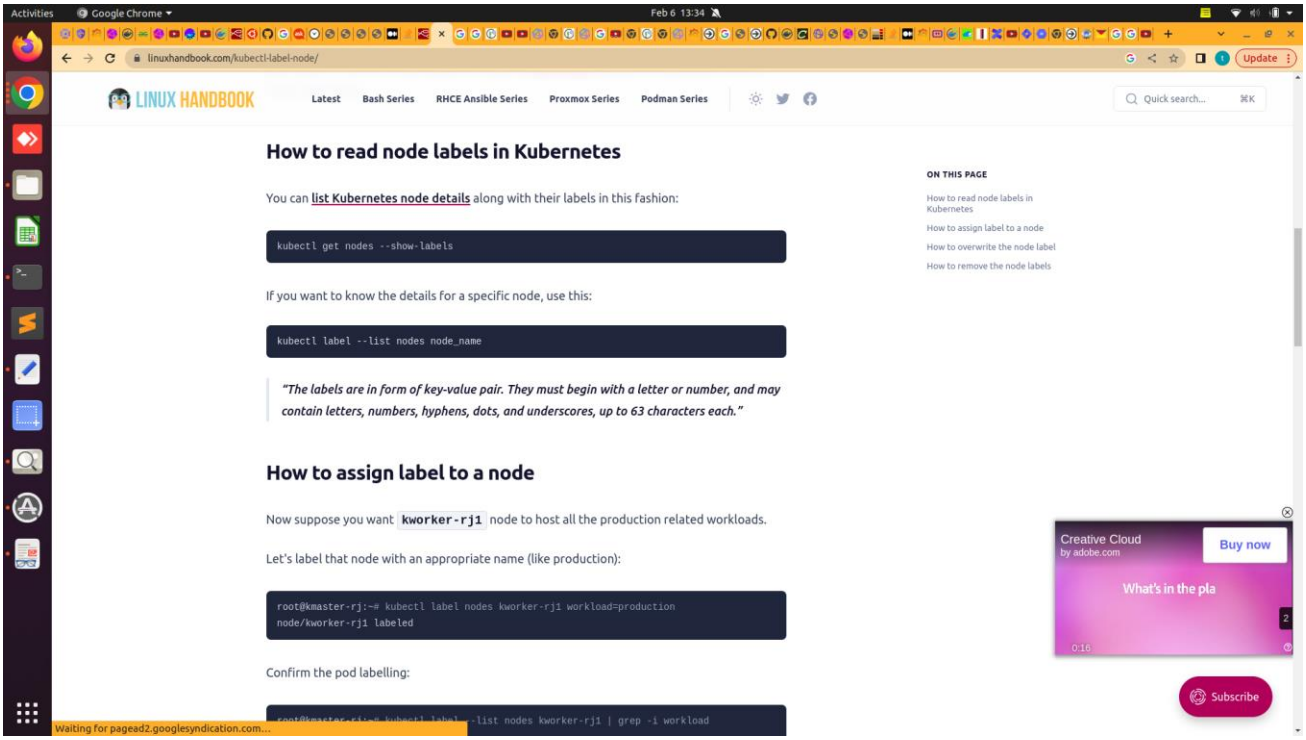
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How to read node labels in Kubernetes
You can list Kubernetes node details along with their labels in this fashion:
kubectl get nodes --show-labels
If you want to know the details for a specific node, use this:
kubectl label --list nodes node_name
"The labels are in form of key-value pair. They must begin with a letter or number, and may contain letters, numbers, hyphens, dots, and underscores, up to 63 characters each."
How to assign label to a node
Now suppose you want kworker-rj1 node to host all the production related workloads.
Let's label that node with an appropriate name (like production):
root@kmaster-rj:~# kubectl label nodes kworker-rj1 workload=production
node/kworker-rj1 labeled
Confirm the pod labelling:
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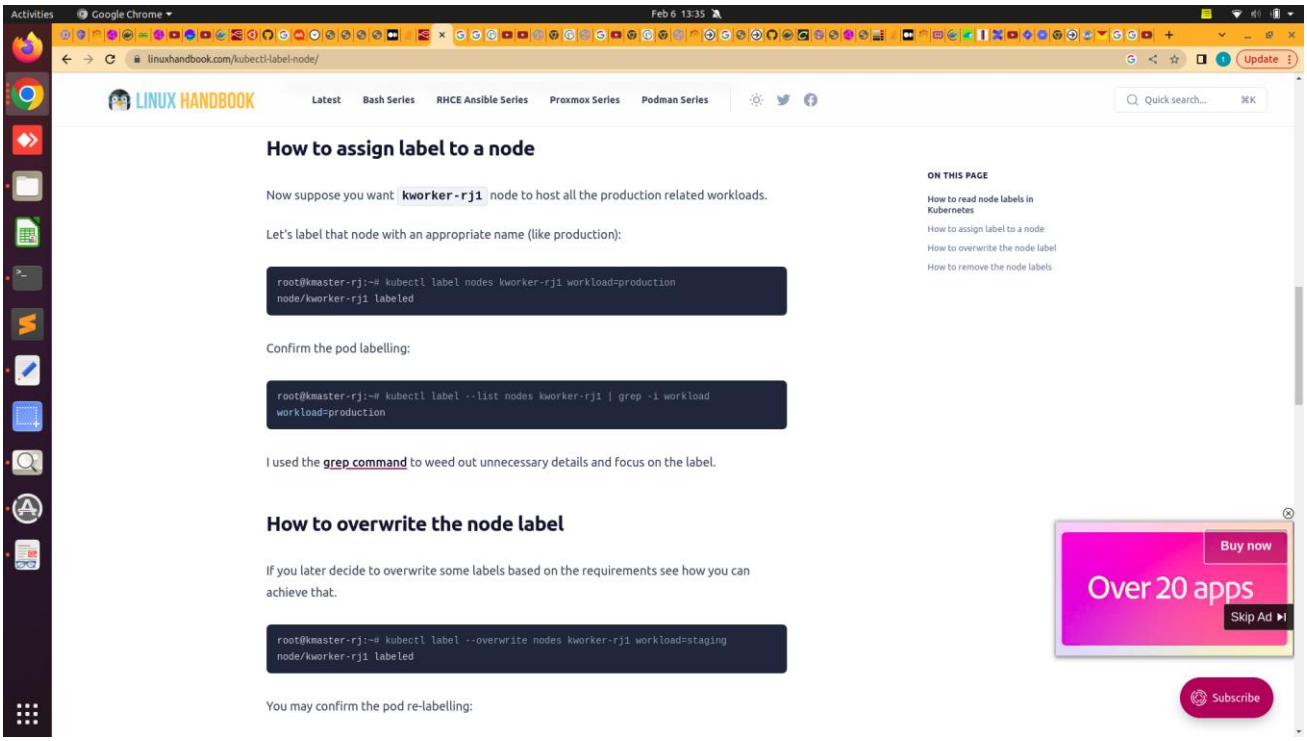
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node/kworker-rj1 labeled
Confirm the pod labelling:
root@kmaster-rj:~# kubectl label --list nodes kworker-rj1 | grep -i workload
workload=production
I used the grep command to weed out unnecessary details and focus on the label.
How to overwrite the node label
If you later decide to overwrite some labels based on the requirements see how you can achieve that.
root@kmaster-rj:~# kubectl label --overwrite nodes kworker-rj1 workload=staging
node/kworker-rj1 labeled
You may confirm the pod re-labelling:
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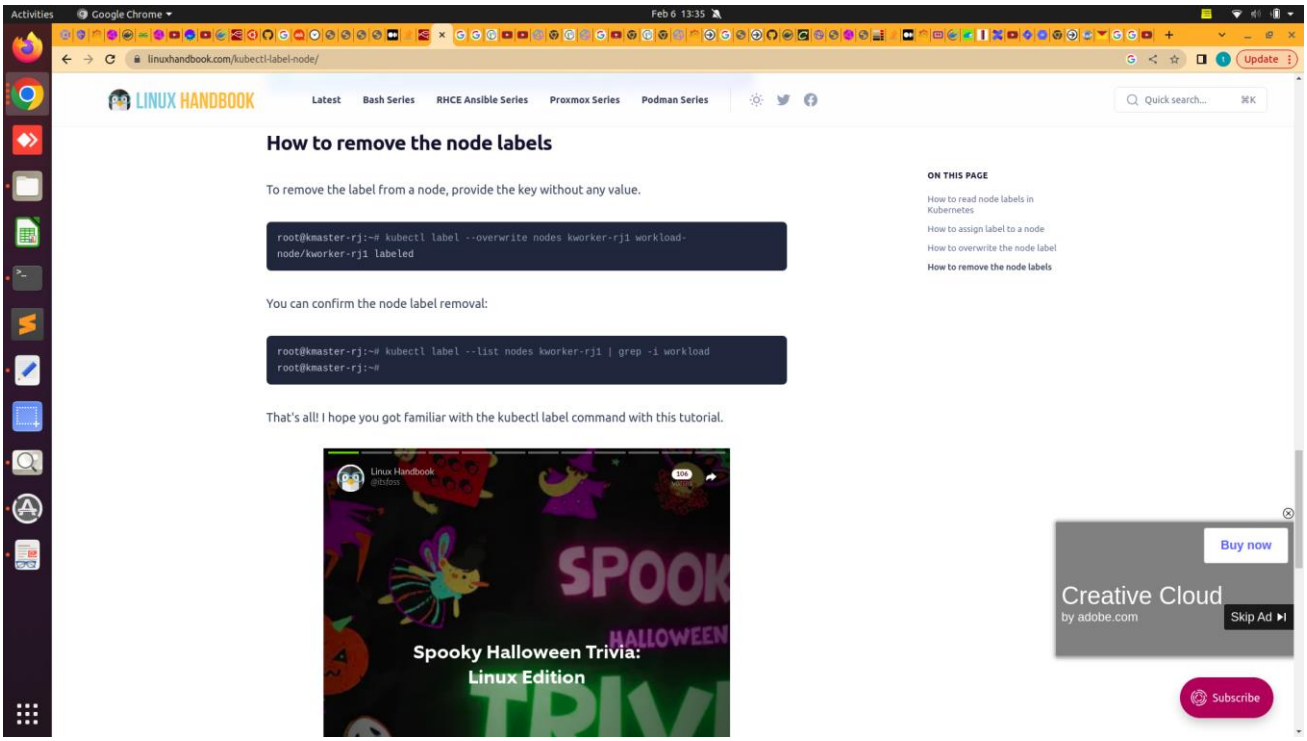
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How to remove the node labels
To remove the label from a node, provide the key without any value.
root@kmaster-rj:~# kubectl label --overwrite nodes kworker-rj1 workload-
node/kworker-rj1 labeled
You can confirm the node label removal:
root@kmaster-rj:~# kubectl label --list nodes kworker-rj1 | grep -i workload
root@kmaster-rj:~#
That's all! I hope you got familiar with the kubectl label command with this tutorial.
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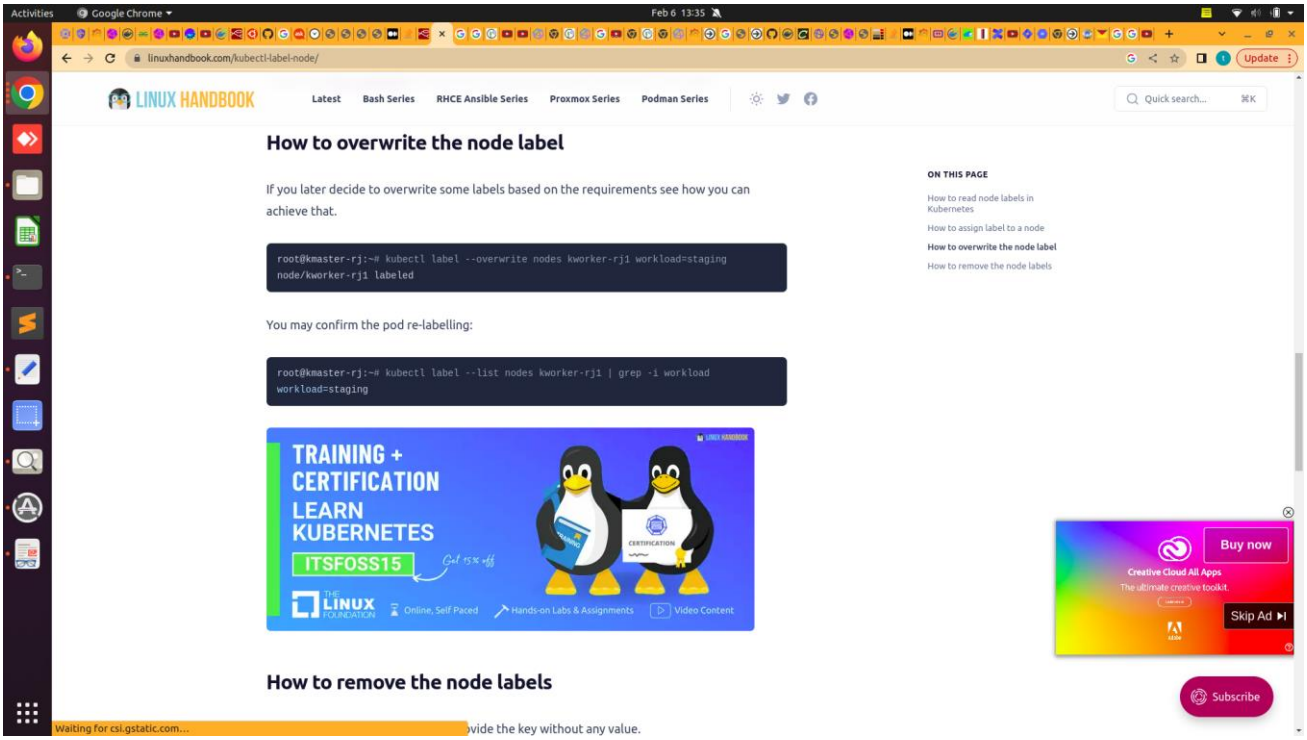
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You may confirm the pod re-labelling:
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workload=staging
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